

PATENT
Serial No. 09/511,991
T.43/JSF04-0001

In the Claims

Claims 1, 4, 6, 11 and 19 are currently amended and claim 22 was previously amended.
Claims 1 - 25 remain in the application as follows:

1. (Currently Amended) A method of correlating information related to an entrant within a predetermined area defined by a plurality of fixed ultra wideband impulse radios, comprising the steps of:
 - a. obtaining information relating to the entrant within said predetermined area;
 - b. determining at least one position of the entrant within said predetermined area using ultra wideband impulse radio position determination techniques; and
 - c. correlating information about the entrant to said at least one position of the entrant.
2. The method of claim 1, further comprising the step of reporting said correlated information according to desired parameters.
3. The method of claim 1, wherein said step of obtaining information relating to the entrant in said predetermined area comprises manual input of personal information into a computer in response to questions from an attendant at an entrance to said predetermined area.

PATENT
Serial No. 09/511,991
T.43/JSF04-0001

4. (Currently Amended) The method of claim 1, wherein said step of obtaining information relating to said entrant in said predetermined area comprises requiring the entrant to input said personal information via a wide area network such as the Internet.
5. The method of claim 1, wherein said step of obtaining information relating to the entrant in said predetermined area comprises requiring the entrant input said information via a computing device.
6. (Currently Amended) The method of claim 1, wherein said step of correlating comprises associating an ultra wideband impulse radio TAG with the entrant, wherein position of the entrant is determined using said information about the entrant and a position of the ultra wideband impulse radio TAG determined by ultra wideband impulse radio position determination techniques.
7. The method of claim 6, wherein said information comprises gender of said entrant.
8. The method of claim 6, wherein said information comprises age of the entrant.
9. The method of claim 6, wherein said information comprises a physical description of the entrant.
10. The method of correlating information related to an object or person moving within a predetermined area of claim 6, wherein said record includes primary height of said person.

PATENT
Serial No. 09/511,991
T.43/JSF04-0001

11. (Currently Amended) The method of claim 6, wherein, if the entrant is a child, said information comprises an indication of whether the child is accompanied by a parent or guardian.
12. The method of claim 1, wherein said predetermined area is a theme park.
13. The method of claim 1, wherein said predetermined area is a shopping mall.
14. The method of claim 1, wherein said predetermined area is an office building.
15. The method of claim 1, wherein said predetermined area is a prison.
16. The method of claim 1, wherein said predetermined area is a convention center.
17. The method of claim 1, wherein said predetermined area is a zoo.
18. The method of claim 1, wherein said predetermined area is a museum.
19. (Currently Amended) A system of controlling functions in response to position information determined by ultra wideband impulse radio position determination techniques, comprising:
 - an ultra wideband impulse radio positioning device; and
 - an interface with a controller, said controller acting upon a function based upon the position information, a predetermined area defined by a plurality of fixed ultra wideband impulse radios, which use ultra wideband position determination techniques, and predetermined position parameters.

PATENT
Serial No. 09/511,991
T.43/JSF04-0001

20. The system of claim 19, wherein said function is activating an alarm when an entrant is in a particular position within a predetermined area.
21. The system of claim 19, wherein said function is activating a communication device.
22. (Previously Amended) The system of claim 21, wherein said communication device comprises an ultra wideband impulse radio, said ultra wideband impulse radio communicating information specific to the position wherein the entrant is located.
23. The system claim 19, wherein said function is a visual alarm that illuminates an area wherein an entrant is located.
24. The system of claim 19, wherein said function is an alerting means to alert an entrant of an unsafe position.
25. The system of claim 19, wherein said controller is a microprocessor.